

Table 5.1 – California Projects Summary

Strategic Plan Objective	Constituent Workshop Category	Organization	Project Name	Project Summary
M1.2	Credible Data	NOAA Channel Islands National Marine Sanctuary	Research and Monitoring	- Collect info on some sport species for management
M1.2; S1.6	Credible Data	California Sea Grant - Cooperative Extension	Razor Clam Project	- Track seasonal changes and spatial distribution (regular sampling) - Basic fisheries data (beach surveys / creel census) - Quantify population structure
M1.3	Cooperative Governance	US Fish and Wildlife Service (USFWS), Division of Federal Assistance	Federal Aid in Sportfish Restoration	- Grants to CDFG to aid marine fishery management
M1.4; M2.2; S4.4	Credible Data	NOAA Channel Islands National Marine Sanctuary	Social Science Monitoring	- Understand the economics and social aspects of the CINMS recreational fishing community
M2.2	Cooperative Governance	Recreational Fishing Alliance (RFA)	Groundfish Taskforce	- Review management models; explore options; allow involvement of stakeholders in decisions
M2.2	Cooperative Governance	Recreational Fishing Alliance (RFA) NorCal Chapter Chair	Groundfish Advisory Panel to the PFMC	- Advise PFMC on decisions related to groundfish
M2.5	Cooperative Governance	Recreational Fishing Alliance (RFA)	California Coastal National Monument (CCNM) Partnership	- Protect access to waters adjacent to CCNM lands; support CCNM projects
M2.6; M3.1	Cooperative Governance	NOAA Fisheries Service - Southwest Regional Office	U.S. West Coast Highly Migratory Species Fishery Management Plan	- International cooperation in long-term conservation and sustainable use - Promote inter-regional collaboration in management of fisheries - Procedures to facilitate timely implementation of management actions - Ensure compliance with laws and regulations to conserve and restore species
M3.1	Cooperative Governance	Recreational Fishing Alliance (RFA)	Statewide Interests Group – Marine Life Protection Act Initiative	- Ensure ongoing dialogue between anglers and MLPA Initiative; minimize impacts on anglers and economics
M3.1	Cooperative Governance	Recreational Fishing Alliance (RFA) NorCal Chapter Chair	California Fisheries Coalition	- Input into MLPA Initiative

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M3.1	Ecosystem Based Management	California Sportfishing Protection Alliance	Fishery Policy Advocacy	- Advocate for sound fisheries management policies
M3.1	Ecosystem Based Management	Recreational Fishing Alliance (RFA) NorCal Chapter Chair	Legislative Agenda	- Support AB749 (crab pot limits and Dungeness crab management)
M3.1; O2.2; O2.4	Outreach	NOAA Channel Islands National Marine Sanctuary	Outreach Program	- Santa Barbara and Ventura counties rec fishing communities voice on Sanctuary Advisor Council - Educate and inform on issues that affect sport fishing
M3.1; O2.4	Cooperative Governance	United Pier and Shore Anglers of California (UPSAC)	Pier License Requirements Study	- Input to CDFG on issue of pier license requirement
M3.1; O2.4	Cooperative Governance	United Pier and Shore Anglers of California (UPSAC)	Study - Mandatory Training Classes for Anglers	- Input to CDFG on mandatory classes for anglers
M4.1	Opportunities	Coastside Fishing Club	Coastside Rockfish Barotrauma Study	- Study release methods for rockfish survivability; long-term effects on fish; depth dependence
M4.1	Opportunities	United Pier and Shore Anglers of California (UPSAC)	Production of Fish-Friendly Nets	- Develop economical method to produce and sell better nets to support catch and release
M4.2, S1.1	Outreach	International Game Fish Association (IGFA)	Billfish Tournament Observer Program	- Train volunteer observers for certifying catch and release
M4.2; S1.6; O1.3	Opportunities; Credible Data; Outreach	California Sea Grant - Cooperative Extension	Poke-Pole Project	- Collect basic catch and effort data (2 counties) - Perform pilot mark-capture study
S1.1	Credible Data	California Department of Fish and Game (CDFG)	California Recreational Fisheries Survey Program (CRFS)	- Integration and expansion of state sampling programs: better estimates of groundfish - Designs for estimating effort: good precision, public acceptance, cost effective - Catch estimates generated with a month after harvest
S1.1	Credible Data	Long Beach Sport fishing	Participant, White Sea Bass Head Collection	- White Sea Bass hatchery support, education, and public awareness

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S1.1, S2	Credible Data	Coastside Fishing Club, Golden Gate Fishermans Association	Rock Cod Tagging Study	- Tagged 4000 rockfish; recover; measure; provide population indicator
S1.1; S2.2; S3.1	Credible Data	NOAA Gulf of the Farallones National Marine Sanctuary	Fishing Activities Characterization - Ecotrust	- Geospatial database of fishing activities species fished, times and areas fished
S1.2	Credible Data	Sport fishing Association of California (SAC)	Hook and Line Survey of Bocaccio	- ID the distribution and abundance of bocaccio in So. CA Bight
S1.2	Credible Data	United Pier and Shore Anglers of California (UPSAC)	Collaboration on CA Shark and Ray Count	- Collaboration on CA shark and ray count
S1.2; O2.4	Credible Data	Sport fishing Association of California (SAC)	Doyle Hanan - Catch, Tag, and Release Nearshore Rockfish (NS RF)	- Determine distribution and abundance of imp. NSRF by tag and release fishing trips on CPFVs - Better educate crews and anglers on scientific process
S1.2; S2.2	Credible Data	Sport fishing Association of California (SAC)	Catch, Tag, and Release of Yellow Fin Tuna and Wahoo	- Catch and implant archival tags and release to track and understand movements of large tuna and wahoo
S1.2; S2.3; S5.1	Credible Data	Scripps Institution of Oceanography	Albacore Stomachs Study	- Knowledge of feeding habits of albacore in the California current
S1.5	Credible Data	NOAA Fisheries Service	Pacific Recreational Fisheries Information Network (RecFIN) Technical Committee	- Optimize and coordinate quality of data collection programs - Recommendations to improve data collection programs - Communicate program info to rec fish constituents, scientists, and resource managers
S1.6	Credible Data	Golden Gate Fishermans Association	Canary Rockfish Population Study	- Population study to support increased MSY
S1.6	Credible Data	NOAA Fisheries Service, Southwest Fisheries Science Center (SWFSC)	Billfish Programs	- Provide biological, habitat, movement, fishery, and abundance data for use in billfish stock assessments
S1.6, S2.2, S5.3	Credible Data	NOAA Fisheries Service, Southwest Fisheries Science Center (SWFSC)	Deepwater Rockfish Studies	- Manned submersible rockfish surveys

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S1.6, S5.3	Credible Data	NOAA Fisheries Service, Southwest Fisheries Science Center (SWFSC)	Juvenile Rockfish Studies	- SCUBA surveys of juvenile rockfish species
S2.1; S2.2	Cooperative Governance; Credible Data	Pacific States Marine Fisheries Commission (PSMFC)	RecFIN	
S2.2	Credible Data	NOAA Fisheries Service, Southwest Fisheries Science Center (SWFSC)	The development of methods to estimate rockfish abundance and habitat type using sonar techniques confirmed by remotely operated vehicle (ROV) video surveys	- Provide standard techniques to efficiently and non-destructively monitor populations of cowcod and other commercially important rockfish species
S2.2, S5.1	Credible Data	Fishery Enhancement and Research Foundation (FERF)	Tagging Study of the Movement and Migration of California Halibut In San Francisco Bay and Adjoining Coastline	- Use mark recapture data to analyze movement and migration; elucidate movement distances; delineate geographic areas that will benefit
S2.2; S5.3	Credible Data	NOAA Fisheries Service, Southwest Fisheries Science Center (SWFSC)	Archival Tagging of Pacific Albacore	- Determine detailed migration patterns of juvenile albacore - Insight into biological habits of juvenile albacore - Collect detailed info on habitat use of juvenile albacore - Provide international management info for continued sustainability
S2.2; S5.3	Credible Data	Sport fishing Association of California (SAC)	Cooperative Research with ROV and Sonar	- Fully ID all rockfish habitat in So. CA using acoustic sonar to ID difference rockfish
S2.2; S5.5	Credible Data	Sport fishing Association of California (SAC)	Collection of Cowcod Broodstock	- Collect a population of cowcod for captive breeding - Develop tool to bring cowcod up from depth and have them acclimated to tanks
S2.2; S5.5	Credible Data	Sport fishing Association of California (SAC)	White Seabass Enhancement Hatchery Program	- Help in capture of WSB broodstock and assist in moving juveniles to growout facilities
S4.2; S4.5	Ecosystem Based Management	NOAA Fisheries Service, Southwest Fisheries Science Center (SWFSC)	Estimating Benefits of the West Coast Highly Migratory Species CPFV Fleet	-Obtain/collect socio-economic data necessary to address changes in economic value and impacts of recreation policies

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S5.1	Credible Data	Coastside Fishing Club, Golden Gate Fishermens Association	Humboldt Squid Study	- Analyze eating habits of Humboldt squid off local coast
S5.1	Credible Data	Coastside Fishing Club, Golden Gate Fishermens Association	Point Reyes Bird Observatory Study	- Investigate stomach contents of targeted species (birds and fish)
S5.1	Credible Data	Coastside Fishing Club, Golden Gate Fishermens Association	Salmon Tagging Project	- Examine favored temps and depths to analyze feeding patterns and life cycles
S5.1	Ecosystem Based Management	NOAA Fisheries Service	Bolsa Chica Wetlands Restoration Project	- Restore 880 acres of degraded former wetlands (~300 full tidal action; ~250 muted tidal action)
S5.1	Ecosystem Based Management	NOAA Fisheries Service	SCE SONGS Mitigation Program	- Restore 150 acres of impacted kelp habitat - Restore 150 acres of wetlands
S5.1	Ecosystem Based Management	NOAA Fisheries Service - Northwest Science Center	Stated Preference Valuation of West Coast Marine Recreational Fisheries	- Use a preference survey methodology to measure the economic value of marine recreational fisheries in CA, OR, WA
S5.1	Ecosystem Based Management	NOAA Fisheries Service - Southwest Regional Office	Sea Lion Exclusion Barrier Testing for Marinas and Bait Receivers	- Modify and test techniques to exclude sea lions from hauling out on docks and bait receivers
S5.1	Ecosystem Based Management	NOAA Fisheries Service, Santa Cruz Laboratory	California Freshwater Salmon/Steelhead Angler Survey	- Conduct economic impact and evaluation analysis for the A freshwater salmon/steelhead fisheries
S5.1; S1.6; M1.2	Credible Data	California Sea Grant - Cooperative Extension	Halibut Stock Assessment Project	- Assess halibut populations in Tomales Bay - Determine halibut range - Determine halibut growth
S5.1; S2.3; M2.4	Effective Application of MPAs; Ecosystem Based Management	NOAA, Marine Protected Areas Science Institute, National MPA Center	Benthic-Pelagic Linkage in MPA Design	- Ecological coupling of benthic and pelagic fish communities - Scientific foundation for siting and design of MPAs
S5.2	Ecosystem Based Management	California Sportfishing Protection Alliance	Suisun Creek Watershed Program	- Restore steelhead spawning locations, habitat, and removal of invasive plant species in Suisun Creek watershed

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S5.3	Ecosystem Based Management	US Fish and Wildlife Service (USFWS), Division of Federal Assistance	Coastal Wetlands Programs	
S5.3	Ecosystem Based Management	US Fish and Wildlife Service (USFWS), Division of Federal Assistance	Habitat Restoration Program	
S5.4	Opportunities	United Anglers of Southern California (UASC)	Rigs to Reefs	
S5.4; O1.2; S5.5; M2.5	Ecosystem Based Management; Effective Application of MPAs; Outreach	NOAA/NOS/Damage Assessment Center	Montrose Settlements Restoration Program	<ul style="list-style-type: none"> - Design and implement fishing site improvements habitat modifications (artificial reefs) - Generate and distribute outreach material: "safe" fish species and fishing sites (fish ID chart) - Project funding: wetlands restoration and MPA evaluation
S5.5	Ecosystem Based Management	Fishery Enhancement and Research Foundation (FERF)	San Francisco Bay California Halibut Research and Hatchery Program	
S5.5	Opportunities	Coastside Fishing Club	Rockfish Rearing Program	- Raise rockfish in a controlled environment for release into structure areas; increase numbers and time on the water
S5.5	Opportunities	Coastside Fishing Club	Salmon Enhancement Program	- Enhance smolt survivability while imprinting them in natural tributaries; more catchable salmon
S5.5	Opportunities	US Fish and Wildlife Service (USFWS), Division of Federal Assistance	National Fish Hatcheries Program	- Production and release of Chinook Salmon
O1.1	Opportunities	Coastside Fishing Club	Coastside Kids Fishing Program	- Introduce kids from military families to sport fishing
O1.1	Opportunities	Coastside Fishing Club, Golden Gate Fishermens Association	Children of Military Veterans Project	- Fishing opportunities for vets and their kids
O1.1	Opportunities	International Game Fish Association (IGFA)	Youth Fishing Tournaments	- Sportfishing for youth
O1.1	Opportunities	Long Beach Sport fishing	Youth Fishing Activities	- Provide access for youth anglers to experience marine sport fishing
O1.1	Opportunities	United Pier and Shore Anglers of California (UPSAC)	Kids Fishing Days	- Educate kids on ethical angling practices

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O1.1; O2.4	Outreach	NOAA Fisheries Service	NOAA Fisheries Service Ethical Angler Program	<ul style="list-style-type: none"> - Teach angler conservation ethics - Promote fishing techniques and technologies
O1.2; O1.5; O2.2; O2.4	Outreach	California Sea Grant - Cooperative Extension	Marine Fisheries Newsletter	<ul style="list-style-type: none"> - Provides info on marine fisheries research, policy issues, and projects
O1.2; O2.4	Outreach	Recreational Fishing Alliance (RFA) NorCal Chapter Chair	Coho Salmon ID chart	<ul style="list-style-type: none"> - Educate anglers; reduce Coho mortality; support CDFG projects
O1.3	Opportunities	Sport fishing Association of California (SAC)	Friends of Rollo	<ul style="list-style-type: none"> - Introduce all classes and more children to sport fishing
O1.3	Opportunities	Sport fishing Association of California (SAC)	SAC and Ed McEwan Kids Fishing Programs	<ul style="list-style-type: none"> - Introduce kids to sport fishing through dayboats and overnight trips
O1.3; O2.4	Opportunities	NOAA Fisheries Service	California Youth Fishing Program	<ul style="list-style-type: none"> - Teach underprivileged youth about principles of marine fishing and ethical angling and marine conservation ideas
O1.3; O2.4	Outreach	Fishery Enhancement and Research Foundation (FERF)	Rockfish Identification Poster and Hand Guide	
O1.3; O2.4	Outreach	NOAA Office for Law Enforcement (OLE)	Community Oriented Policing/Crime Prevention	<ul style="list-style-type: none"> - Educate current and future "Ocean Users" on management and conservation issues - Develop on-going community based outreach program
O1.4; O1.8; O2.4	Outreach	Catch-22 Fisheries	Best Practices Angler Education Video (DVD)	<ul style="list-style-type: none"> - DVD to allow anglers to make more informed choices about personal fishing practices - DVD to result in better survival of released fish and higher percentage of fish released - DVD to increase anglers' personal connection with the health of fisheries and the ocean

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O1.5; O2.3; S5.1	Outreach; Credible Data	California Sea Grant - Cooperative Extension	Collaborative Nearshore Fish Research Project	<ul style="list-style-type: none"> - Provide info about potential effects of fishing regulations and estab. of MPAs - Info on movements of nearshore fish species - Relative abundance, site fidelity, home range
O1.5; O2.4	Outreach	Coastside Fishing Club	Rockfish Identification Program	<ul style="list-style-type: none"> - Help anglers properly identify rockfish and keep up with current regulations
O1.5; O2.4	Outreach	WaveWalker Charters, Santa Barbara	Ongoing Onboard Angler Survey	<ul style="list-style-type: none"> - Understand public perceptions of MPAs; regulatory changes vs. personal experiences; and angst in keeping abreast of regulatory changes
O1.7; O2.1; O2.3; O2.4; O3.3; O4.3	Outreach	NOAA Fisheries Service	California Saltwater Sportfishing Action Team	<ul style="list-style-type: none"> - Involve the rec fish community in the agency decision making process - Inform the rec fish community about agency programs and initiatives that are related to rec fisheries
O1.8; O2.4	Outreach	Catch-22 Fisheries	Voluntary Kelp Bass Slot Limit Shirt Project	<ul style="list-style-type: none"> - Educate anglers to the drop in kelp bass populations - Demonstrates how anglers can be directly involved in steps to replenish populations - Brings scientific and sport fishing communities together
O1.8; O2.4	Outreach	United Pier and Shore Anglers of California (UPSAC)	Mobile Model Education Exhibit	<ul style="list-style-type: none"> - Develop a mobile exhibit for education, literature distribution, and motivation of local groups
O2.2; O2.4	Outreach	NOAA Fisheries Service	NOAA Fisheries Service Media Outreach Project (Pacific)	<ul style="list-style-type: none"> - Develop communications links with media that has a recreational fishing focus; timely information

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O2.3; O2.4; O1.8	Outreach	NOAA Channel Islands National Marine Sanctuary	Sanctuary Education Team (SET)	<ul style="list-style-type: none"> - Long-term education and outreach strategy - Adopt-a-business: products developed and delivered to appropriate audiences - Brochures and signage: convey accurate and easy to understand info
O2.4	Opportunities	International Game Fish Association (IGFA)	Veterans Fishing Program	<ul style="list-style-type: none"> - Fishing opportunities for veterans
O2.4	Opportunities	San Diego Anglers	Muscular Dystrophy Fishing Charter	<ul style="list-style-type: none"> - Annual charter for 20 wheel chair-bound patients
O2.4	Opportunities	United Pier and Shore Anglers of California (UPSAC)	California Shore/Beach Survey	<ul style="list-style-type: none"> - Survey fishing locations along the CA coast
O2.4	Opportunities	United Pier and Shore Anglers of California (UPSAC)	Endangered Heritage Piers Listing	<ul style="list-style-type: none"> - ID heritage piers and develop a plan for their restoration and continued use
O2.4	Opportunities	United Pier and Shore Anglers of California (UPSAC)	Loaner Program for Rods and Reels	<ul style="list-style-type: none"> - Provide rods and reels to new anglers
O2.4	Outreach	Long Beach Sport fishing	Angler's Marine Resource Awareness	<ul style="list-style-type: none"> - Angler education for resource preservation; shift attitudes away from "bad limit" mentality
O2.4	Outreach	United Pier and Shore Anglers of California (UPSAC)	Fish Rulers for Piers	<ul style="list-style-type: none"> - Place sets of area-specific regulations, "fish rulers" and "safe eating information" on all piers
O2.4	Outreach	United Pier and Shore Anglers of California (UPSAC)	Model Pier and Pier/Shore Sport fishing Center	<ul style="list-style-type: none"> - Promote sport fishing, angling ethics; educate
O2.4	Outreach	United Pier and Shore Anglers of California (UPSAC)	Pier Restoration Survey	<ul style="list-style-type: none"> - Measure local support for restoration; promote it
O2.4	Outreach	United Pier and Shore Anglers of California (UPSAC)	Surf Fishing Classes	<ul style="list-style-type: none"> - Education of non-anglers at Bolsa Chica State Beach
O4	Outreach	United Pier and Shore Anglers of California (UPSAC)	Water Conditions Network	<ul style="list-style-type: none"> - Access to instant data on water conditions and 50 sites in SF Bay and upstream to Rio Vista